

IN THE CLAIMS

Please amend the claims as follows:

1-7. (Canceled)

8. (New) A communication control system comprising:

a routing controller configured to switch a routing path between routers from a first routing path to a second routing path;

a first router located on the second routing path; and

a second router located on a demarcation point of the first routing path and the second routing path; wherein,

the routing controller includes

a trigger receiver configured to receive a trigger indicating a congestion or a occurrence of failure on the first routing path, or to receive a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

an address information provision requester configured to request provision of address conversion information to the first router in accordance with reception of the trigger; and

an address conversion information creation requester configured to request creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and to request creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the address conversion information acquired from the first router; and

the first router including

a address conversion information provider configured to provide the address conversion information in accordance with a request from the routing controller;

a first address conversion information manager configured to create and manage the second address conversion information in accordance with the request from the routing controller;

a first address converter configured to convert a destination address of received data based on the second address conversion information; and

a first routing processor configured to perform a routing processing of the data converted by the first address converter; and

the second router including

a second address conversion information manager configured to create and manage the first address conversion information in accordance with the request from the routing controller;

a second address converter configured to convert a destination address of received data based on the first address conversion information; and

a second routing processor configured to perform a routing processing of the data converted by the second address converter.

9. (New) The communication control system of Claim 8, wherein the routing controller comprises:

an address conversion information change requester configured to request the second router to change the first address conversion information.

10. (New) The communication control system of Claim 8, wherein the routing controller comprises:

an address conversion information deletion requester configured to request the second router to delete the first address conversion information.

11. (New) The communication control system of Claim 8, wherein the second router comprises:

an address conversion information deletion permission requester configured to request the routing controller to permit deletion of the first address conversion information, and

the second address conversion information manager deletes the first address conversion information upon receiving the deleting permission from the routing controller.

12. (New) The communication control system of Claim 8, wherein
the first address conversion information associates a destination address of received data with an IP address of the first router,

the second address converter encapsulates the destination address of the receive data with the IP address of the first router, and

the routing processor performs the routing processing of the received data using the IP address of the first router.

13. (New) A communication control system comprising:

a routing controller configured to switch a routing path between routers from a first routing path to a second routing path;

a first router located on the second routing path; and

a second router located on a demarcation point of the first routing path and the second routing path; wherein,

the routing controller includes

a trigger receiver configured to receive a trigger indicating a congestion or a occurrence of failure on the first routing path, or to receive a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

an address information creator configured to create address conversion information in accordance with reception of the trigger; and

an address conversion information creation requester configured to request creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and to request creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the created address conversion information; and

the first router includes

a first address conversion information manager configured to create and manage the second address conversion information in accordance with the request from the routing controller;

a first address converter configured to convert a destination address of received data based on the second address conversion information; and

a first routing processor configured to perform a routing processing of the data converted by the first address converter;

the second router includes

a second address conversion information manager configured to create and manage the first address conversion information in accordance with the request from the routing controller;

a second address converter configured to convert a destination address of received data based on the first address conversion information; and

a second routing processor configured to perform a routing processing of the data converted by the second address converter.

14. (New) A routing controller configured to switch a routing path between routers from a first routing path to a second routing path, the routing controller comprising:

a trigger receiver configured to receive a trigger indicating a congestion or a occurrence of failure on the first routing path, or to receive a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

an address information provision requester configured to request provision of address conversion information to the first router in accordance with reception of the trigger; and

an address conversion information creation requester configured to request creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and to request creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the address conversion information acquired from the first router.

15. (New) A routing controller configured to switch a routing path between routers from a first routing path to a second routing path, the routing controller comprising:

a trigger receiver configured to receive a trigger indicating a congestion or a occurrence of failure on the first routing path, or to receive a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

an address information creator configured to create address conversion information in accordance with reception of the trigger; and

an address conversion information creation requester configured to request creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and to request creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the created address conversion information.

16. (New) A communication control method comprising:

switching, by a routing controller, a routing path between routers from a first routing path to a second routing path, wherein a first router is located on the second routing path, and a second router is located on a demarcation point of the first routing path and the second routing path;

receiving, at the routing controller, a trigger indicating a congestion or a occurrence of failure on the first routing path, or a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

requesting, by the routing controller, provision of address conversion information to the first router in accordance with reception of the trigger;

requesting, by the routing controller, creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and requesting creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the address conversion information acquired from the first router;

providing, from the first router, the address conversion information in accordance with a request from the routing controller;

creating and managing, by the first router, the second address conversion information in accordance with the request from the routing controller;

converting, by the first router, a destination address of received data based on the second address conversion information;

performing, by the first router, a routing processing of the data converted by the first address converter;

creating and managing, by the second router, the first address conversion information in accordance with the request from the routing controller;

converting, by the second router, a destination address of received data based on the first address conversion information; and

performing, by the second router, a routing processing of the data converted by the second address converter.

17. (New) A communication control method comprising:

switching, by a routing controller, a routing path between routers from a first routing path to a second routing path, wherein a first router is located on the second routing path, and a second router is located on a demarcation point of the first routing path and the second routing path;

receiving, at the routing controller, a trigger indicating a congestion or a occurrence of failure on the first routing path, or a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

creating, by the routing controller, address conversion information in accordance with reception of the trigger;

requesting, by the routing controller, creation of first address conversion information for converting data destined for a destination terminal to data destined for the first router, and requesting creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the created address conversion information;

creating and managing, by the first router, the second address conversion information in accordance with the request from the routing controller;

converting, by the first router, a destination address of received data based on the second address conversion information;

performing, by the first router, routing processing of the data converted by the first address converter;

creating and managing, by the second router, the first address conversion information in accordance with the request from the routing controller;

converting, by the second router, a destination address of received data based on the first address conversion information; and

performing, by the second router, routing processing of the data converted by the second address converter.